

Converting Colors

XYZ(51.4163, 64.5688, 26.1858)

Have a look what the booklet for
XYZ(51.4163, 64.5688, 26.1858)
contains.

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Color

**XYZ(51.5145, 64.5760,
26.2723)**

Conversions

Conversions Part 1

Format	Color
Hex	C3DD74
RGB	195, 221, 116
RGB Percent	76%, 87%, 45%
CMY	0.2353, 0.1333, 0.5451
CMYK	0.12, 0.00, 0.48, 0.13
HSL	75°, 61%, 66%
HSV	75°, 48%, 87%
XYZ	51.5145, 64.5760, 26.2723
YIQ	201.2560, 18.2090, -38.1670

Conversions

Conversions Part 2

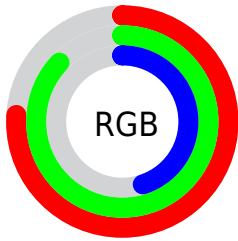
Format	Color
RYB	116, 221, 142
Decimal	12836212
CIELab	84.26, -24.51, 48.36
CIELCh	84, 54.217, 116.881
Yxy	64.5760, 0.3619, 0.4536
Android (android.graphics.Color)	4291026292 (0xFFC3DD74)
YUV	201.2560, -42.0312, -5.4865
Hunter-Lab	80.3592, -26.2006, 36.8674

Details

The XYZ color **51.5145, 64.5760, 26.2723** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **30.4544, 23.4637, 71.3343**, and the grayscale version is **55.9224, 58.8348, 64.0711**.

A 20% lighter version of the original color is **83.5237, 95.3049, 52.0237**, and **25.2091, 33.1316, 9.9169** is the 20% darker color. If you saturate the color by 10%, you get **48.9909, 63.4084, 20.2237**, and if you desaturate by 10%, it is **54.3989, 65.8984, 33.9366**.

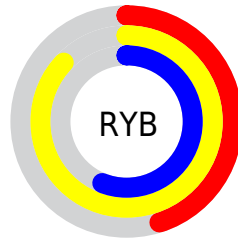
Distribution



Red (76%)

Green (87%)

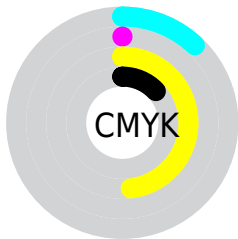
Blue (45%)



Red (45%)

Yellow (87%)

Blue (56%)

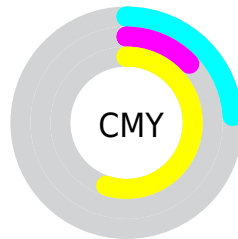


Cyan (12%)

Magenta (0%)

Yellow (48%)

Black (13%)



Cyan (24%)

Magenta (13%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5145, 64.5760, 26.2723 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 51.5145, 64.5760, 26.2723 by changing the saturation by 10% instead.


 51.5145, 64.5760,
26.2723


 51.5145, 64.5760,
26.2723


382.9142,
441.2667, 297.7641

 36.8409, 47.1174,
16.7999


 91.5933, 111.4401,
54.7034

 25.2575, 33.1284,
9.9315


 117.7293,
141.6143, 74.4991

 16.3987, 22.2249,
5.2485


 148.4167,
176.7958, 98.5730

 9.8994, 14.0222,
2.3325

184.0211,
217.3690, 127.3436

 5.3940, 8.1361,
0.7494

224.9077,
263.7183, 161.2295

 2.5174, 4.1822,
0.0000

271.4418,

 0.9040, 1.7760,

316.2281, 200.6492

0.0000

323.9889,
375.2828, 246.0212

■ 0.0000, 0.4721,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 51.5145, 64.5760,
26.2723

■ 51.5145, 64.5760,
26.2723

■ 48.9909, 63.4084,
20.2237

■ 54.3989, 65.8984,
33.9366

■ 46.8009, 62.3779,
15.6705


■ 57.6598, 67.3752,
43.3171


■ 44.9204, 61.4771,
12.4826


■ 61.3175, 69.0169,
54.5110


■ 43.3197, 60.6940,
10.5057


■ 65.3895, 70.8304,
67.6071


 41.9582, 60.0123,
9.5301


 69.8918, 72.8223,
82.6882

 41.6404, 59.8520,
9.3579

 74.8400, 74.9988,
99.8326

 77.6151, 76.3125,
105.2468

 79.4331, 77.2497,
105.3319

 81.3071, 78.2158,
105.4196

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.6430, 64.5760, 22.7819



51.5145, 64.5760, 26.2723



43.9923, 64.5760, 40.0062

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.5145, 64.5760, 26.2723



49.6017, 64.5760, 141.5490



87.4530, 64.5760, 73.9737

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51.5145, 64.5760, 26.2723



30.4544, 23.4637, 71.3343

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8284, 64.5760, 113.0064



51.5145, 64.5760, 26.2723



60.1292, 64.5760, 159.2166

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51.5145, 64.5760, 26.2723



42.9933, 64.5760, 104.6659



72.4254, 64.5760, 147.3659



84.3728, 64.5760, 44.4418

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51.5145, 64.5760, 26.2723



41.5174, 64.5760, 56.3401



72.4254, 64.5760, 147.3659



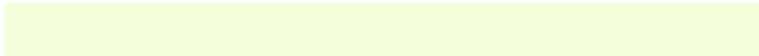
86.7349, 64.5760, 86.4223

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51.5161, 64.5789, 26.2737



86.6473, 96.2718, 81.2406



42.4248, 35.5377, 21.1473



18.2913, 20.4924, 16.5794



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.5161, 64.5789, 26.2737



67.7693, 87.6985, 28.0078



40.5127, 58.9064, 25.7587



13.8308, 15.0930, 13.9099



24.2962, 34.8226, 5.4409



1.6505, 2.2954, 0.3561

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30.4544, 23.4637, 71.3343



35.3799, 24.3753, 97.4479



41.2911, 29.0503, 71.8414



12.6393, 12.7722, 16.4512



8.5756, 3.5451, 39.9707



0.6341, 0.2702, 2.5932

Previews

White Background



This preview shows how the XYZ color 51.5145, 64.5760, 26.2723 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 51.5145, 64.5760, 26.2723 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.5145, 64.5760, 26.2723

Background



This preview shows how black text looks on a background with the XYZ color 51.5145, 64.5760, 26.2723.



This preview shows how white text looks on a background with the XYZ color 51.5145, 64.5760,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

51.5145, 64.5760, 26.2723

Protanopia

58.9262, 64.2520, 24.6254

Deuteranopia

65.4071, 63.9737, 27.3132



Tritanopia

62.4035, 64.4471, 80.3847

Trichromacy



Original Color

51.5145, 64.5760, 26.2723

Protanomaly

55.9406, 64.1908, 25.0645

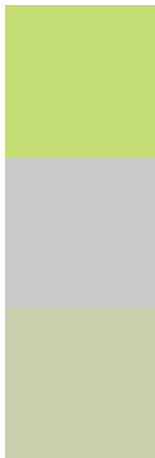
Deuteranomaly

59.5503, 63.7915, 26.9436

Tritanomaly

57.1798, 63.7878, 55.1975

Monochromacy



Original Color

51.5145, 64.5760, 26.2723

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.3648, 60.1561, 46.8289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5145, 64.5760, 26.2723 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(195, 221, 116)` looks like.

```
.text, #text, p{  
    color:rgb(195, 221, 116)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(195, 221, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 221, 116) }
```

Border

The CSS property to change the border of an element to XYZ 51.5145, 64.5760, 26.2723 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 221, 116) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(195, 221, 116) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(195, 221, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 221, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 221, 116);  
box-shadow:4px 4px 4px 4px rgb(195, 221,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5145, 64.5760, 26.2723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 221, 116) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(195,  
221, 116) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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